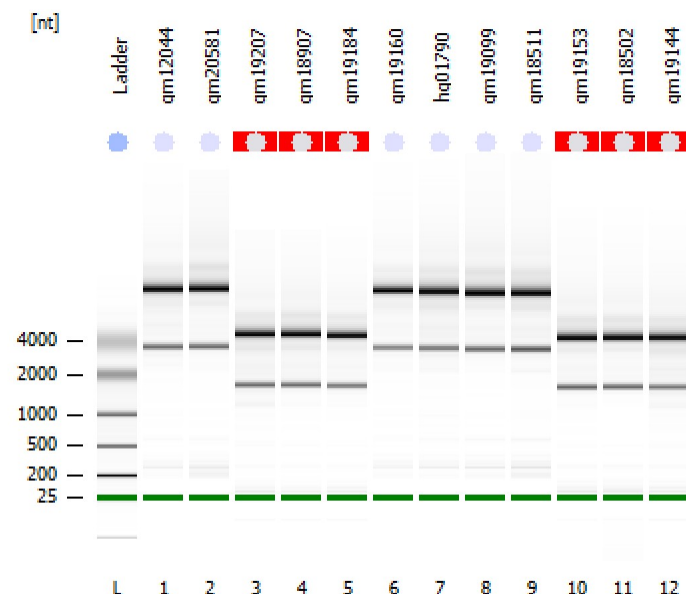


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_16-03-45.xad

Created: 10/24/2011 4:03:44 PM
Modified: 10/24/2011 4:26:51 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

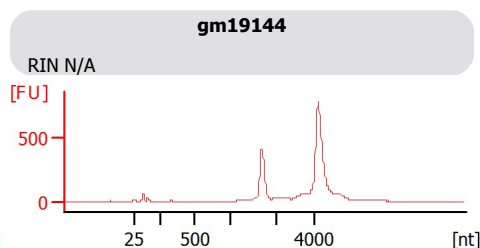
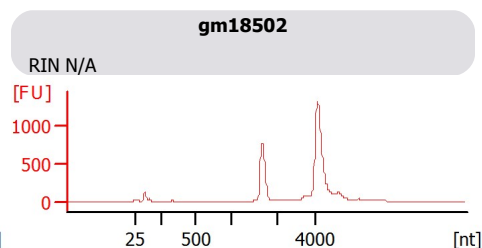
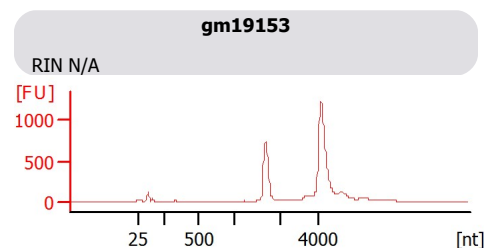
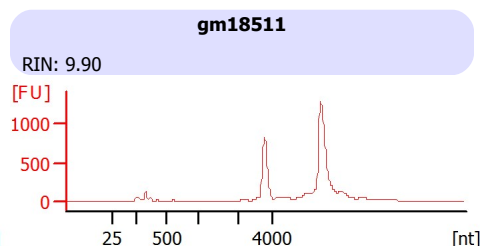
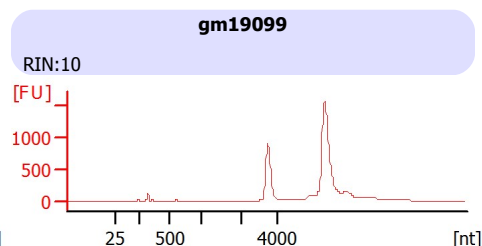
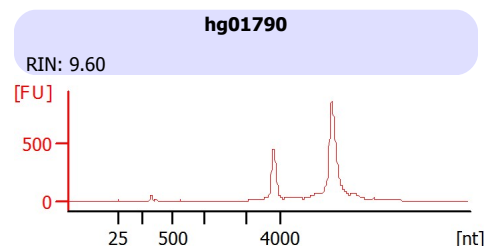
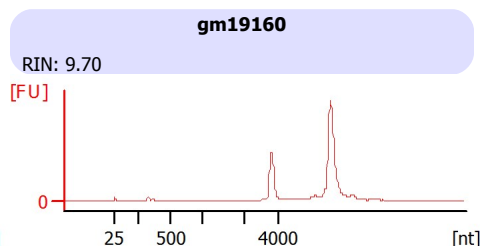
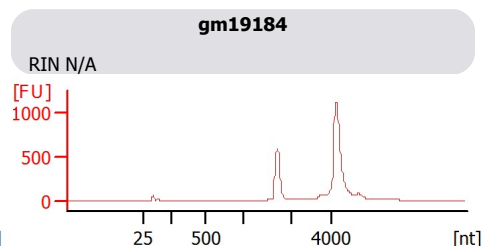
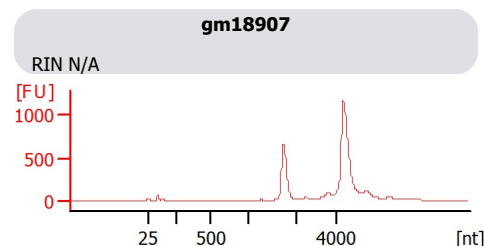
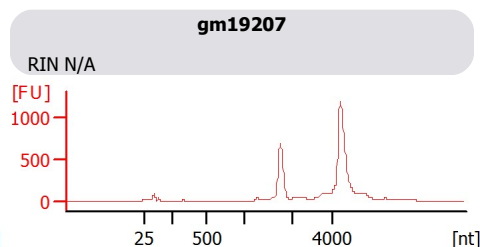
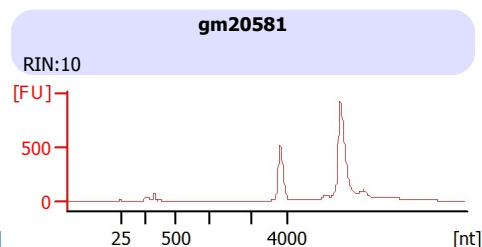
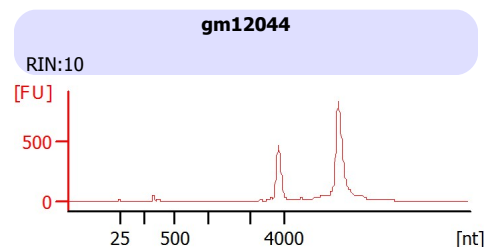
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_16-03-45.xad

Created: 10/24/2011 4:03:44 PM
Modified: 10/24/2011 4:26:51 PM

Electrophoresis File Run Summary (Chip Summary)

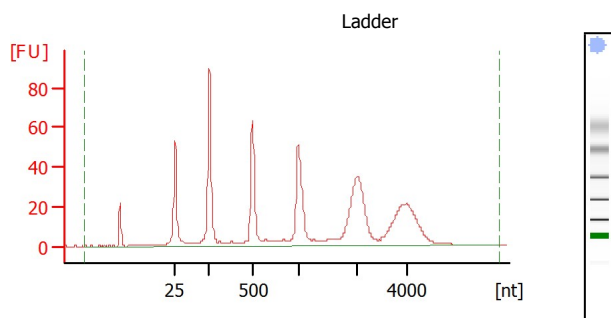
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
gm12044		✓ RIN:10	
gm20581		✓ RIN:10	
gm19207		✓ RIN N/A	
gm18907		✓ RIN N/A	
gm19184		✓ RIN N/A	
gm19160		✓ RIN: 9.70	
hg01790		✓ RIN: 9.60	
gm19099		✓ RIN:10	
gm18511		✓ RIN: 9.90	
gm19153		✓ RIN N/A	
gm18502		✓ RIN N/A	
gm19144		✓ RIN N/A	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_16-03-45.xad

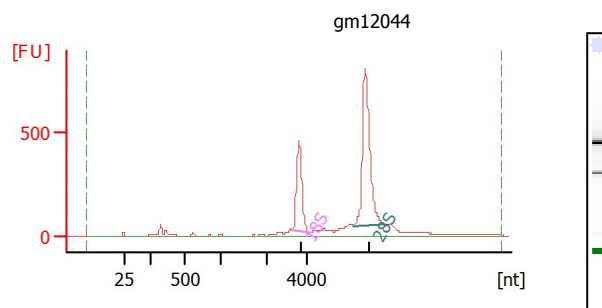
Created: 10/24/2011 4:03:44 PM
 Modified: 10/24/2011 4:26:51 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 691.2
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

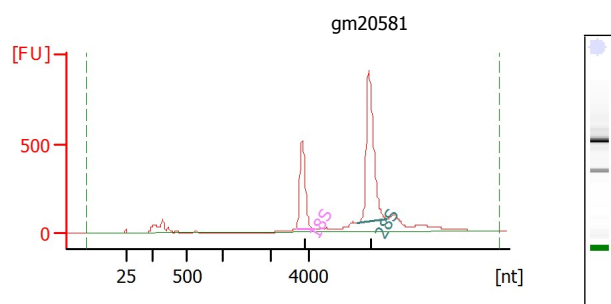


Overall Results for sample 1 : gm12044

RNA Area: 3,596.5
 RNA Concentration: 781 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : gm12044

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,310	4,199	723.3	20.1
28S	6,451	8,098	1,462.4	40.7

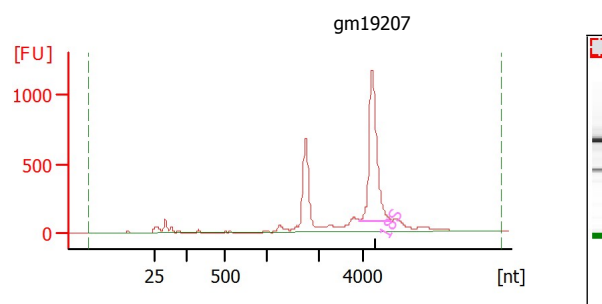


Overall Results for sample 2 : gm20581

RNA Area: 4,176.6
 RNA Concentration: 906 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 2 : gm20581

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,327	4,292	826.1	19.8
28S	6,500	8,044	1,614.9	38.7



Overall Results for sample 3 : gm19207

RNA Area: 5,687.3
 RNA Concentration: 1,234 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

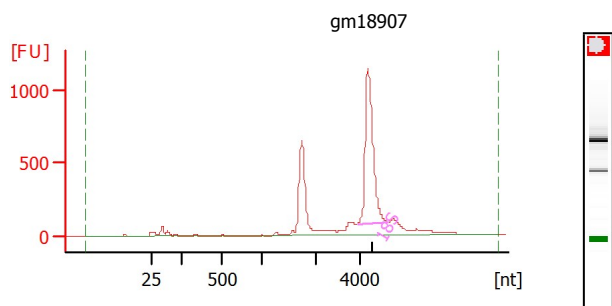
Fragment table for sample 3 : gm19207

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,825	5,277	2,144.8	37.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_16-03-45.xad

Created: 10/24/2011 4:03:44 PM
 Modified: 10/24/2011 4:26:51 PM

Electropherogram Summary Continued ...

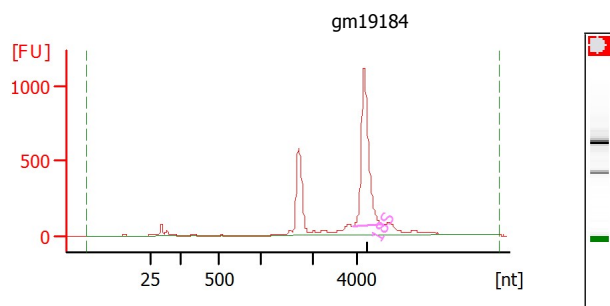


Overall Results for sample 4 : gm18907

RNA Area: 5,280.2
 RNA Concentration: 1,146 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 4 : gm18907

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,879	5,259	2,147.9	40.7

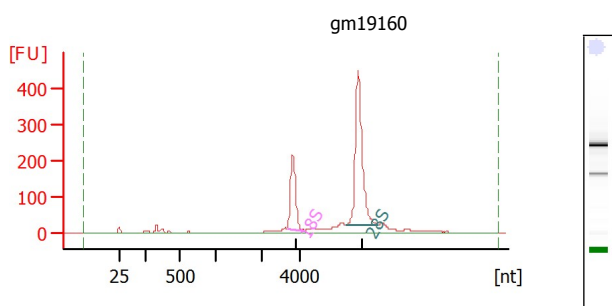


Overall Results for sample 5 : gm19184

RNA Area: 4,716.0
 RNA Concentration: 1,023 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 5 : gm19184

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,814	5,185	1,993.7	42.3

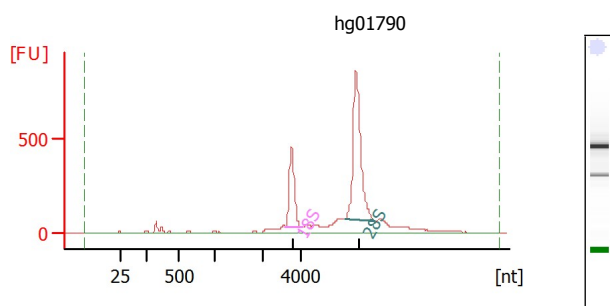


Overall Results for sample 6 : gm19160

RNA Area: 1,758.7
 RNA Concentration: 382 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 6 : gm19160

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,278	4,172	323.4	18.4
28S	6,374	8,052	757.6	43.1



Overall Results for sample 7 : hg01790

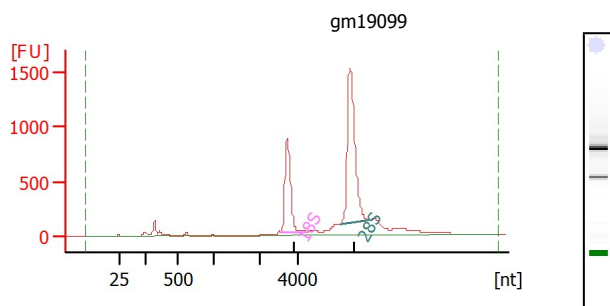
RNA Area: 4,304.6
 RNA Concentration: 934 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 7 : hg01790

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,227	4,103	688.5	16.0
28S	6,314	7,934	1,585.9	36.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_16-03-45.xad

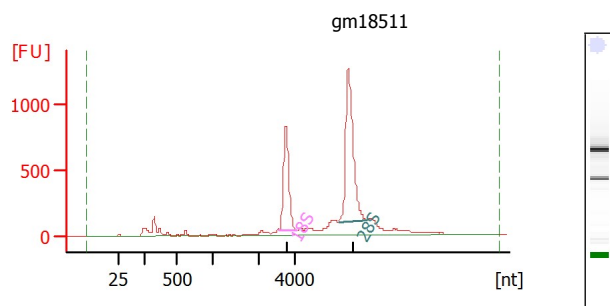
Created: 10/24/2011 4:03:44 PM
Modified: 10/24/2011 4:26:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : gm19099**

RNA Area: 7,431.2
RNA Concentration: 1,613 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 8 : gm19099

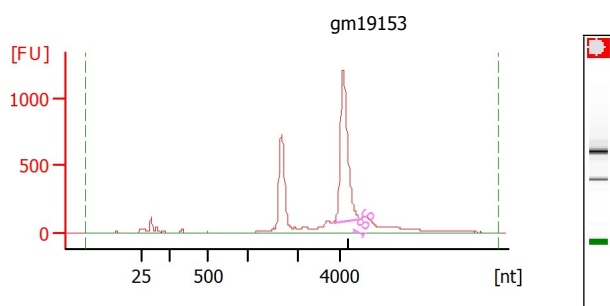
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,169	4,515	1,500.0	20.2
28S	6,281	7,783	2,907.9	39.1

**Overall Results for sample 9 : gm18511**

RNA Area: 6,980.5
RNA Concentration: 1,515 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.90

Fragment table for sample 9 : gm18511

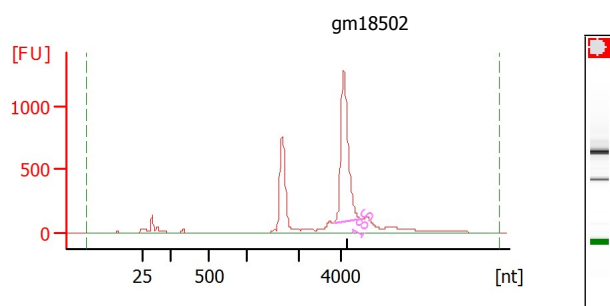
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,157	4,068	1,337.8	19.2
28S	6,268	7,779	2,308.7	33.1

**Overall Results for sample 10 : gm19153**

RNA Area: 5,923.3
RNA Concentration: 1,285 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 10 : gm19153

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,670	4,996	2,264.2	38.2

**Overall Results for sample 11 : gm18502**

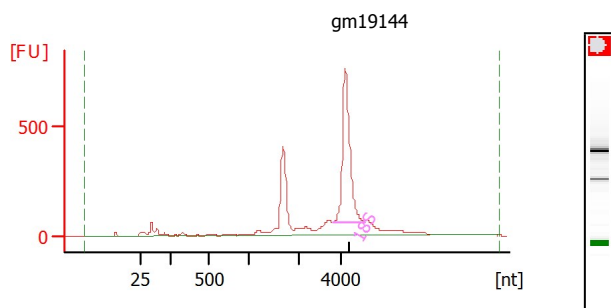
RNA Area: 5,875.1
RNA Concentration: 1,275 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 11 : gm18502

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,707	4,996	2,452.2	41.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_16-03-45.xad

Created: 10/24/2011 4:03:44 PM
Modified: 10/24/2011 4:26:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm19144**

RNA Area: 3,878.0
RNA Concentration: 842 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 12 : gm19144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,615	5,055	1,405.8	36.3